



Attorney Docket No. 9236-3IP2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Bantval Jayant Baliga

Serial No. 10/671,333

Filed: September 24, 2003

For: POWER SEMICONDUCTOR DEVICES HAVING Laterally Extending Base
Shielding Regions That Inhibit Base Reach-Through and Schottky
Rectifying Flyback Diodes

Group Art Unit: 2812

Examiner: To Be Assigned

Confirmation No.: 5669

Date: January 12, 2004

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a list of documents on form PTO-1449. Items 1-84 listed on the PTO-1449 were cited in parent application Serial No. 10/008,171, filed October 19, 2001, which is a continuation-in-part of application Serial No. 09/833,132, filed April 11, 2001. As the benefit of these applications is claimed under 35 U.S.C. §120, no copies need to be furnished in accordance with 37 C.F.R. §1.98(d); however, copies will be furnished on request. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.


Respectfully submitted,


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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 12, 2004.


Candi L. Riggs

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
9236-3IP2

Serial No.
10/671,333

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Bantval J. Baliga

Filing Date: September 24, 2003

Group
2812

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	6,541,820 B1	4/1/03	Bol	257	341	
	2.	6,534,836 B1	3/18/03	Osanai	257	401	
	3.	6,525,383 B1	2/25/03	Stecher	257	401	
	4.	6,521,962 B2	2/18/03	Evans	257	409	
	5.	6,503,786 B2	1/7/03	Klodzinski	438	212	
	6.	6,459,142 B1	10/1/02	Tihanyi	257	621	
	7.	6,452,230	9/17/02	Boden, Jr.	257	341	
	8.	6,441,408 B2	8/27/02	Porst	257	139	
	9.	6,201,279 B1	3/13/02	Pfirsch	257	333	
	10.	6,144,065	11/7/02	Kinzer	257	327	
	11.	6,127,746	10/3/00	Clemente	307	131	
	12.	6,114,726	9/5/00	Barkhordarian	257	341	
	13.	6,104,062	8/15/00	Zeng	257	341	
	14.	6,043,126	3/28/00	Kinzer	438	273	
	15.	5,998,833	12/07/99	Baliga	257	329	
	16.	5,973,360	10/1999	Tihanyi	257	330	
	17.	5,918,137	6/29/99	Ng et al.	438	454	
	18.	5,885,878	3/23/99	Fujishima et al.	438	302	
	19.	5,879,967	3/9/99	Kim	438	133	
	20.	5,844,275	12/1/98	Kitamura et al.	257	335	
	21.	5,767,547	6/16/98	Merchant et al.	257	347	
	22.	5,766,966	6/16/98	Ng	437	40	
	23.	5,742,087	4/21/98	Lidow	257	342	
	24.	5,731,604	3/24/98	Kinzer	257	153	

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Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)					Attorney Docket Number 9236-31P2		Serial No. 10/671,333
					Applicants: Bantval J. Baliga		
					Filing Date: September 24, 2003		Group 2812
	25.	5,710,455	1/20/98	Bhatnagar et al.	257	472	
	26.	5,710,451	1/20/98	Merchant	257	347	
	27.	5,701,026	12/23/97	Fujishima et al.	257	510	
	28.	5,672,526	9/30/97	Kawamura	437	41R	
	29.	5,661,314	8/26/97	Merrill	257	144	
	30.	5,648,671	7/15/97	Merchant	257	347	
	31.	5,640,034	6/17/97	Malhi	257	341	
	32.	5,623,152	4/1997	Majumdar et al.	257	330	
	33.	5,598,018	1/28/97	Lidow	257	342	
	34.	5,578,508	11/26/96	Baba et al.	437	35	
	35.	5,545,908	8/1996	Tokura et al.	257	341	
	36.	5,497,285	3/5/96	Nadd	361	103	
	37.	5,468,668	11/21/95	Neilson	437	51	
	38.	5,445,978	8/29/95	Yilmaz	437	41	
	39.	5,412,241	5/2/95	Merchant	257	409	
	40.	5,399,892	3/21/95	Neilson	257	341	
	41.	5,391,908	2/21/95	Walker et al.	257	409	
	42.	5,362,979	11/8/94	Merchant	257	340	
	43.	5,350,932	9/27/94	Malhi	257	67	
	44.	5,338,961	8/16/94	Lidow et al.	257	342	
	45.	5,300,448	4/5/94	Merchant et al.	437	41	
	46.	5,283,201	2/1/94	Tsang et al.	437	31	
	47.	5,246,870	9/21/93	Merchant	437	21	
	48.	5,229,633	7/20/93	Fisher et al.	257	339	
	49.	5,216,807	6/8/93	Yoshizawa et al.	29	876	
	50.	5,213,986	5/25/93	Pinker et al.	437	20	
	51.	5,191,396	3/2/93	Lidow et al.	257	339	

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					Applicants: Bantval J. Baliga			
					Filing Date: September 24, 2003			Group 2812
	52.	5,134,321	8/21/92	Mehta	307	571		
	53.	5,130,767	7/14/92	Lidow	357	23.4		
	54.	5,113,236	5/12/92	Arnold et al.	357	41		
	55.	5,095,343	3/10/92	Klodzinski	357	23.4		
	56.	5,079,608	1/7/92	Wodarczyk	357	23.13		
	57.	5,023,692	6/11/91	Wodarczyk	357	43		
	58.	5,016,066	5/1991	Takahashi	357	23.4		
	59.	5,008,725	4/16/91	Lidow et al.	357	23.4		
	60.	4,975,751	12/4/90	Beasom	357	13		
	61.	4,974,059	11/27/90	Kinzer	357	23.4		
	62.	4,959,699	9/25/90	Lidow et al.	357	23.7		
	63.	4,941,026	7/10/90	Temple	357	23.4		
	64.	4,904,614	2/27/90	Fisher et al.	437	41		
	65.	4,837,606	6/6/89	Goodman et al.	357	23.4		
	66.	4,789,882	12/6/88	Lidow	357	23.4		
	67.	4,705,759	11/10/87	Lidow et al.	437	29		
	68.	4,680,853	7/21/87	Lidow et al.	29	571		
	69.	4,642,666	2/10/87	Lidow	357	23.4		
	70.	4,593,302	6/3/86	Lidow et al.	357	23.4		
	71.	4,590,509	5/20/86	Esser et al.	357	53		
	72.	4,419,811	12/13/83	Rice	29	571		
	73.	4,376,286	3/8/83	Lidow et al.	357	23		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
	74.	WO 99/56311	11/4/99	PCT				
	75.	WO 00/44031	7/27/00	PCT				
	76.	03132077	5/6/91	Japan			X (Abstract)	

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	77.	63-296282	2/12/88	Japan			X (Abstract)
	78.	195 34 154 A1	3/20/97	Germany	H01L 29	808	X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	79.	Baliga, B. Jayant, "Power Semiconductor Devices," PWS Publishing Co., ISBN 0-534-04098-6, 1995, pp. 335-425.					
	80.	International Search Report, PCT/US02/12775, April 4, 2003					
	81.	Merchant et al., "Dependence of Breakdown Voltage on Drift Length and Buried Oxide Thickness in SOI RESURF LDMOS Transistors," 5 th International Symposium on Power Semiconductor Devices and Ics, 1993 IEEE, pp. 124-128					
	82.	Merchant et al., "Realization of High Breakdown Voltage (> 700 V) in This SOI Devices," Philips Laboratories, North American Philips Corporation, 1991 IEEE, pp. 31-35					
	83.	Sunkavalli et al., "Step Drift Doping Profile for High Voltage DI Lateral Power Devices," Proceedings 1995 IEEE International SOI Conference, October 1995, pp. 139-140					
	84.	Yamaguchi, Ken, "Field-Dependent Mobility Model for Two-Dimensional Numerical Analysis of MOSFET's," IEEE Transactions on Electron Devices, Vol. ED-26, No. 7, July 1979, pp. 1068-1074					

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